

Public Information Centre

Stormwater Credit Policy Development

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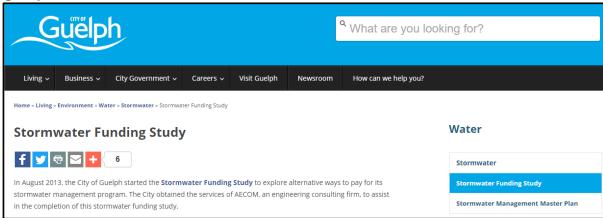
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Agenda

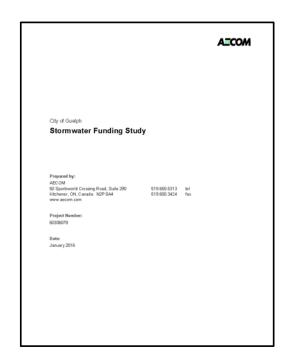
- Welcome
- Purpose
- Background
- Developing a credit policy
- Credit program examples
- Open discussion
- Next steps

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Stormwater funding study

- August 2013-March 2016
 - 4 advisory group meetings
 - 2 public open houses
 - online survey
 - draft report January 2016
 - Council approval March 2016
- Communications included:
 - News releases
 - Social media
 - Print ads



Funding study conclusions

- 1. Current program does not meet community's needs
- 2. Increased level of service is necessary
- 3. Stormwater user fee is preferred
- 4. User fee should be charged to all properties in Guelph
- 5. A credit policy should be explored



Study milestones

August 2013 study starts

March 2016

Council approves service fee

July 2016

Implementation strategy endorsed by Council

November 2017

Stormwater
Services budget
approved with
\$4 ERU/month

October 2015

Council presentation

July 2016

2016 budget restated

September 2016

Guelph Hydro approved as billing agent



Impervious areas

Hard surfaces that do not absorb water, e.g.:

- Parking areas
- Rooftops
- Sidewalks
- Patios
- Gravel areas subject to pedestrian, bicycle or vehicular traffic or permanent storage loads
- Recreational hardcourts
- Trails subject to pedestrian, bicycle or vehicular traffic



Stormwater service fee billing units (Equivalent Residential Unit or ERU)

ONE (1) ERU = $188m^2 = 4 per month

Residential properties:

ERU billing units = number of dwelling units

Examples:

- single-family detached home = 1 ERU = \$48/year
- apartment building with 20 units = 20 ERU = \$960/year

Non-residential properties:

ERU billing units = impervious area ÷ 188 m² (one ERU)

Non-Residential Property

Example:

City Hall

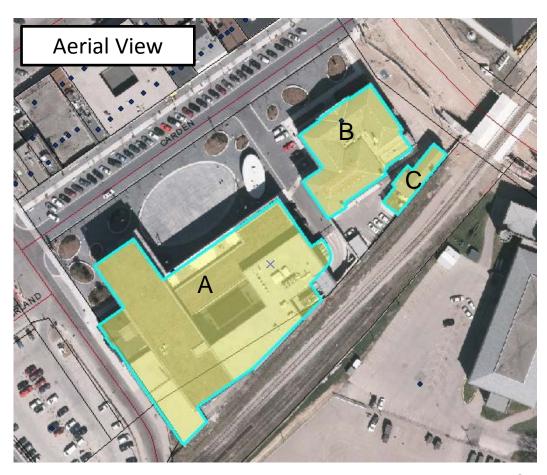
Lot Size: 10,662.5 m² Impervious Area: 7,996.54 m²

Billing units:

 $7,996.54 \text{ m}^2 \div 188 \text{ m}^2$ = 42.5 ERU

Charge:

42.5 ERU × \$4.00/ERU/month = \$2,040.00 per year



Next steps: developing a credit policy

- Study initiated October 2016
- Proposing:
 - 3 advisory group meetings
 - 3 public open houses
 - online survey

In 2017, the Stormwater Fees and Charges By-law will be amended to include a Credit Policy that offers a reduction to the base stormwater charge for eligible property owners that have installed, operate and maintain eligible facilities or practices on their property. If awarded, credits would be retroactive to the date of installation/inspection or January 1, 2017, whichever is later.

Credits or incentives?

Credits typically only offered for non-residential properties

 High administration costs may outweigh net savings for residential properties



Residential incentives can include:

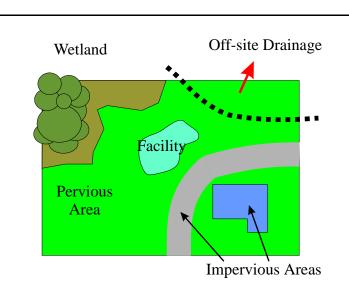
- One-time discounts to offset supply and/or installation costs
- Technical assistance with design, installation and/or maintenance

Examples of residential options:

- rain barrels
- rain gardens
- permeable paving

Credit program considerations

- Amount of stormwater runoff within city boundary
- Opportunities for property owners to provide a community service (e.g., education, spill prevention program, etc.)
- Inclusion of pond or other runoff control on property
- Ability to apply quantity and quality components cumulatively
- Need to meet local design standards
- Need for maintenance (subject to inspection)



City of Kitchener credit policy

- Credit policy adopted, retroactive to the beginning of the utility
- Available to residential and non-residential
- Maximum reduction of 45 per cent to the utility charge
- Off-site facilities or those on permanent City easements not eligible
- Eligible customers must complete application form
 - May be field-verified by City staff
 - Credit revoked if found to be non-functional
 - Application must be renewed by customer on annual basis

City of Kitchener Residential credit schedule

Credit Component	Maximum Credit	Calculation	
Water Quantity	45%	 Based on the runoff storage volume provided on the property: 9% - 200-400L (1-2 rain barrels, small cistern) 18% - 401-800L (3-4 rain barrels, small cistern) 27% - 801-2400L (large cistern, combination with rain barrels) 36% - 2401-3200L (large cistern, combination with rain barrels) 45% - 3201L+ (large cistern, infiltration gallery) 	
Water Quality	0%	Water quality credits are not available to residential customers, as residential properties typically do not significantly contribute to water quality issues.	
Education	0%	Education credits are not available to residential customers.	

City of Kitchener Non-residential & multi-unit residential credit schedule

Credit Component	Maximum Credit	Calculation
Water Quantity	25%	Based on the percentage of impervious area on the property that is directed to a stormwater facility, scaled to a maximum of 25%.
Water Quality	15%	Based on the level of water quality protection provided by stormwater facility, as per Ministry of Environment standards: 15% credit – Enhanced protection 10% credit – Normal protection 5% credit – Basic protection
Education	5%	Credit available for educating employees/members about flood prevention and pollution reduction topics, as well as posting and distributing educational information provided by the City or other provincial/federal environmental agencies.

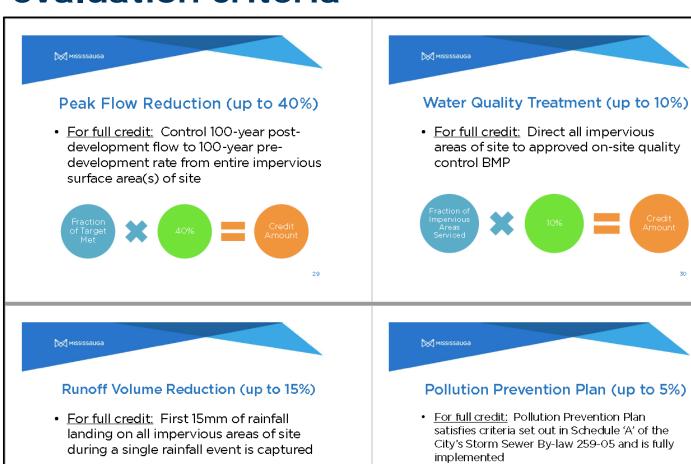
City of Mississauga credit program

- Credit program adopted, retroactive to beginning of the utility or installation
- Only available to multi-unit residential and non-residential
- Maximum reduction of 50% of the utility charge
- Eligible customers must complete application form
 - Certified by qualified Professional Engineer
 - May be field-verified by City staff
 - Credit revoked (and City reimbursed) if found to be nonfunctional
 - Five-year renewal period (requires copies of maintenance logs)

City of Mississauga Non-residential & multi-unit residential credit schedule

Category	Evaluation Criteria Total Cre (50% ma			
Peak Flow Reduction	Per cent reduction of the 100 year post- development flow to pre-development conditions of the site.	Up to 40%		
Water Quality Treatment	Per cent of site (hard surface) receiving water quality treatment consistent with Provincial criteria for enhanced treatment.	Up to 10% Up		
Runoff Volume Reduction	Per cent capture of first 15 mm of rainfall during a single rainfall event.		to 50%	
Pollution Prevention	Develop and implement a pollution prevention plan.	Up to 5%		

City of Mississauga non-residential credit evaluation criteria



· For full credit: Pollution Prevention Plan satisfies criteria set out in Schedule 'A' of the City's Storm Sewer By-law 259-05 and is fully

Percent of Pollution Prevention Plan Implemented	Credit Am ount	
40%	2%	
60%	3%	
80%	4%	
100%	5%	

Open discussion and questions

- 1. Would you like to see both a residential and a non-residential stomwater service fee credit program created by the City?
 Does the cost of administration influence your decision?
- 2. Would you apply for a credit to alter your property to control runoff if the credit were minimal? Would you be more inclined to use City incentives, e.g., coupons, one-time rebates
- 3. What types of residential activities should receive credits?
 Consider:
 - Quantity control: rain barrels
 - Quality control: infiltration trenches, rain gardens
 - Education: community group involvement

Open discussion and questions

- 4. What types of non-residential activities should receive credits? Consider:
 - Quantity control: rain barrels, down spout disconnection, underground storage
 - Quality control: bio retention swales, porous pavement, oil/grit separators
 - Education: employee education/training
- 5. If you were the City of Guelph, how would you enforce the credit program? e.g., applications, inspections, enforcement, renewals

Next Steps

Review of Comment Sheets (December 2016)

Available tonight

Online survey (December 2016)

Further opportunity for public feedback

Public Open House #2 (Q1 2017)

- Provide feedback on staff's credit program framework as it is developed including:
 - maximum credit amount
 - credit criteria/technology standards
 - administrative items

Thank you for your time!



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